

ABSTRACT OF THE DISCLOSURE

[00134] An intelligent electronic device with multiple functionalities that may include multiple secure accesses includes a sensor coupled with a processor. The sensor may sense electrical parameters in an electrical circuit and generate signals indicative of the electrical parameters for the processor. The processor may be configured to concurrently operate multiple intelligent electronic device functionalities. The intelligent electronic device functionalities may each include one or more functions. The functions within one of the intelligent electronic device functionalities may be mutually exclusive. Secure access to one or more of the intelligent electronic device functionalities may be enabled by entry of a user identification.